

**REMARKS**

At the outset, Applicant wishes to thank the Examiner for the courtesies extended to the Applicant's representatives during the personal interview conducted on August 24, 2005. Further to the Request for Continued Examination (RCE) filed on June 29, 2005 and the personal interview, Applicant respectfully presents the following remarks, together with amendments to the claims.

By this Response, Applicant has amended claims 41 and 55, and cancelled claims 49, 51 and 52 without prejudice or disclaimer. Accordingly, claims 41-48, 50, 53-56 are currently pending in the present application. Reexamination and reconsideration of the application are respectfully requested.

Claim 41 is allowable over the cited references in that claim 41 recites a combination of elements including, for example, "...forming an impurity region by implanting impurity ions to said excited region in a heavy dosage while the excited region remains in an excited state at a temperature between about 200 and about 300 degrees Celsius, whereby the implanted impurity ions become self-activated." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicant respectfully submits that claim 41 and claims 42-48, 50, 53 and 54, which depend therefrom, are allowable over the cited references.

Claim 55 is allowable over the cited references in that claim 55 recites a combination of elements including, for example, "...forming an impurity region by implanting impurity ions to said excited region while the excited region remains in an excited state at a temperature between about 200 and about 300 degrees Celsius, wherein the activation of said impurity ions implanted occurs as the step of said implanting impurity ions is performed." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 55 and claim 56, which depends therefrom, are allowable over the cited references.

Applicant believes the application is in condition for allowance and early, favorable action is respectfully solicited. If the Examiner deems that a telephone conference would further the prosecution of this application, the Examiner is invited to call the undersigned attorney at the telephone number (202) 496-7500. All correspondence should continue to be sent to the below-

listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911.

Dated: September 8, 2005

Respectfully submitted,

for By Valerie P. Hayes <sup>Reg. No.</sup> 53,005  
Rebecca Goldman Rudich  
Registration No.: 41,786  
MCKENNA LONG & ALDRIDGE LLP  
1900 K Street, N.W.  
Washington, DC 20006  
(202) 496-7500  
Attorney for Applicant